

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference								
41 743.fl.sev	FOR FURTHER A		See Form PCT/IPEA/416					
International application No.	International filing dat	te (day/month/year)	Priority date (day/month/year)					
PCT/EP2004/00257	3 12.03.200	4	22.03.2003					
International Patent Classification (IP	C) or national classification and l	IPC						
Applicant								
	CECELI CCUXEM							
SMS DEMAG AKTIEN	GESELLSCHAFT							
		<u>-</u> -,	<u></u>					
This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.								
2. This REPORT consists of a		sheets, including	this cover sheet.					
3. This report is also accompan								
a. (sent to the appl	licant and to the International Bu	reau) a total of 3	sheets, as follows:					
			mended and are the basis for this report and/or					
	sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).							
			siders contain an amendment that goes beyond					
Box.	sure in the international applicati	on as filed, as indicated	in item 4 of Box No. I and the Supplemental					
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b (sent to the Inter	b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))							
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	computer readable form only, as Administrative Instructions).	s indicated in the Supplei	mental Box Relating to Sequence Listing (see					
4. This report contains indicate	ions relating to the following iten	ns:						
Box No. I B	asis of the report							
	riority							
Box No. III N	on-establishment of opinion with	regard to novelty, invent	ive step and industrial applicability					
Box No. IV L								
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
Box No. VI C								
Box No. VII C	Box No. VII Certain defects in the international application							
Box No. VIII C	Box No. VIII Certain observations on the international application							
Date of submission of the demand		Date of completion of th	is report					
Name and mailing address of the IPEA/EP		Authorized officer						
Faccimile No.		Tolombous N -						
Facsimile No.		Telephone No.						

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/002573

Box	No. I	Basis of the report					
1.		n regard to the language, this report is based on the internation cated under this item.	nal application in the language in	which it was filed, unless otherwise			
		This report is based on translations from the original langua which is the language of a translation furnished for the purp		,			
		international search (Rule 12.3 and 23.1(b))					
		publication of the international application (Rule 12.4)				
		international preliminary examination (Rule 55.2 and	or 55.3)				
2.	recei	n regard to the elements of the international application, this iving Office in response to an invitation under Article 14 ar report):					
		the international application as originally filed/furnished					
	\boxtimes	the description:					
		pages _ 1-5, 7		as originally filed/furnished 17.11.2004 with letter			
		pages* 6	received by this Authority on	of 16.11.2004			
		pages*	received by this Authority on				
	\boxtimes	the claims:					
		nos.		as originally filed/furnished			
		nos.*	as amended (togethe	er with any statement) under Article 19			
		nos.* 1-8	received by this Authority on	17.11.2004 with letter of 16.11.2004			
		nos.*					
	\boxtimes	the drawings:					
		sheets 1/1		as originally filed/furnished			
		sheets*	•	<u> </u>			
		sheets*	_				
	П	a sequence listing and/or any related table(s) - see Supplem	_				
3.	\Box		ichiai Box Kelathig to Sequence L	noung.			
3.	_	The amendments have resulted in the cancellation of:					
		the description, pages	<u> </u>				
		the claims, nos.					
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١.							
4.		This report has been established as if (some of) the amend they have been considered to go beyond the disclosure as fi	iled, as indicated in the Suppleme	ntal Box (Rule 70.2(c)).			
		the description, pages					
		the claims, nos.					
		the drawings, sheets/figs					
		the sequence listing (specify):					
		any table(s) related to sequence listing (specify):					
<u> </u>	* If item 4 applies, some or all of those sheets may be marked "superseded."						

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/EP2004/002573

			tement under Article 35(2) with regard to novelty, inventive step or industrial applicability; explanations supporting such statement		
1.	Statement				
	Novelty (1	N)	Claims	1-8	YES
			Claims		NO
	Inventive	step (IS)	Claims	1-8	YES
 			Claims		NO
	Industrial	applicability (IA)	Claims	1-8	YES
ŀ			Claims		NO

- 2. Citations and explanations (Rule 70.7)
 - In the present report, reference is made to the following document:
 - D2: EP O 491 785 A (DAVY MCKEE SHEFFIELD)
 1 July 1992 (1992-07-01).
 - 2. INDEPENDENT CLAIM 1:
 - 2.1 The present application satisfies the requirements of PCT Article 33(1) because the subject matter of claim 1 is novel (PCT Article 33(2)).

Document **D2**, considered to be the closest prior art, discloses:

an edging mill (claim 1; the figure) for hot working, said mill comprising a pair of mutually contactable (15, 70) rolls (1), the central axes thereof being vertical, said rolls being connected via a cardan shaft (31, 32, 33, 34, 35) to a rotary drive which is in a fixed position below the level of the mill floor (23, 24, 25).

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International application No.
PCT/EP2004/002573

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Thus, the subject matter of **claim 1** differs from D2 in that:

- (i) the rotary drive used is a single drive motor;
- (ii) the drive motor is connected, via a gear system in each case, to the cardan shafts which drive the rolls.
- 2.2 The features according to (i) and (ii) solve, in a manner that is not obvious from the prior art, the problem of reducing wear and improving access to the installation (see also page 1, lines 25-33). Consequently, the subject matter of claim 1 involves an inventive step (PCT Article 33(3)).
- 3. DEPENDENT CLAIMS 2-8:

These claims further develop the subject matter of claim 1 and, thus, likewise satisfy the requirements of the PCT in respect of novelty and inventive step.

4. The subject matter of **claims 1 to 8** is quite clearly industrially applicable (PCT Article 33(4)).